APPENDIX A

FOR U.S. PATENT APPLICATION ENTITLED
"SYSTEM AND METHODS FOR REMOTELY ACCESSING
A SELECTED GROUP OF ITEMS OF INTEREST FROM A DATABASE"

FULL CODE LISTING FOR VERSION 0.3 OF IN_VICINITY LOCATOR
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```
Sub AboutCivix_Click ()
    frmAbout.Show 1
End Sub

Sub cmbCategories_Click ()
    cmdUpdate.Enabled = True
End Sub

Sub cmbHeadings_Click ()
    If curHeadingStr <> cmbHeadings.Text Then
        DeleteCategories
        curHeadingStr = cmbHeadings.Text
        GetHeadingIndex (curHeadingStr)
        GetCategories (curHeadingIndex)
        If NumberOfCategories > 0 Then
            curCategoryStr = CategorySet!Category
            GetCategoryIndex (curCategoryStr)
            CategorySet.MoveFirst
            For i = 1 To NumberOfCategories - 1
                cmbCategories.AddItem CategorySet!Category
                CategorySet.MoveNext
            Next
            cmbCategories.AddItem CategorySet!Category
            cmbCategories.Text = cmbCategories.List(0)
            cmdUpdate.Enabled = True
        End If
    End If
End Sub

Sub cmdUpdate_Click ()
    If ItemNamesOn = True Then
        TItemNamesOn = True
        HideNames (NumberOfItems)
    End If
    HideItems
```

A-1

```
    curCategoryStr = cmbCategories.Text
    GetCategoryIndex (curCategoryStr)

    Panel3D7.Caption = Cities(CurrentCityIndex).Name
    Panel3D9.Caption = Areas(CurrentLocation).Name
    Panel3D11.Caption = curCategoryStr
    cmdUpdate.Enabled = False
    ShowItems (curCategoryIndex)
    If TItemNamesOn = True Then
        ShowNames (NumberOfItems)
    End If
    lblPopItem.Visible = False

End Sub

Sub cmdZoom_Click ()
    lblPopCityArea.Visible = False
    If ZoomLevel = "City" Then      'zoom up to country map
        If AreaNamesOn Then
            HideNames (NumberOfAreas)
        End If
        HideAreas
        ShowCities
        picMain.Picture = picUSA.Picture
        cmdZoom.Visible = False
        Panel3D1.Visible = False
        Panel3D4.Visible = True
        lblUSMapCaption.Visible = False
        Panel3D7.Caption = "None"
        Panel3D9.Caption = "None"
        Panel3D11.Caption = "None"
        lblPopCityArea.Visible = False
        ZoomLevel = "Country"
        HelpShowNames.Checked = False
        If CityNamesOn Then
            ShowNames (NumberOfCities)
        End If
    End If
    If ZoomLevel = "Location" Then      'zoom up to city map
```

```vb
    If ItemNamesOn Then
        HideNames (NumberOfItems)
    End If
    picMain.Picture = CityPicture.Picture
    cmdZoom.Caption = "U.S. Map"
    HideItems
    ShowAreas                    ' show the areas on the map
    ZoomLevel = "City"
    picPort.Visible = False
    picMain.Visible = True
    Panel3D3.Visible = False
    cmbCategories.Visible = False
    cmbHeadings.Visible = False
    cmdUpdate.Visible = False
    Panel3D2.Visible = False
    lblUSMapCaption.Visible = True
    p3DItemInfo.Visible = False
    p3DStreetAddLbl.Visible = False
    p3DStreetAdd.Visible = False
    p3DPhoneLbl.Visible = False
    p3DPhone.Visible = False
    p3DFaxLbl.Visible = False
    p3DFaxNumber.Visible = False
    'p3DDescLbl.Visible = False
    'p3DDescription.Visible = False
    picSponsorAd.Visible = False

    curCategoryStr = ""
    Panel3D9.Caption = "None"
    Panel3D11.Caption = "None"
    HelpShowNames.Checked = False
    If AreaNamesOn Then
        ShowNames (NumberOfAreas)
    End If
    End If
End Sub

Sub FileExit_Click ()
    End
```

```
End Sub

Sub FilePrint_Click ()
    CMDialog1.CancelError = True
    On Error GoTo ErrHandler

    CMDialog1.Action = 5
    PrintForm

ErrHandler:
    Exit Sub

End Sub

Sub Form_Load ()

    ReDim Cities(1)

    'delivery only
    'Set DB = OpenDatabase("civix.mdb")

    'development only
    Set DB = OpenDatabase("t:\client\civix\proto\current\civix.mdb")
    Set GlobalSet = DB.CreateDynaset("SELECT * from Globals")

    PortXPix = GlobalSet!PortPixelsX
    PortYPix = GlobalSet!PortPixelsY
    CityXPix = GlobalSet!CityPixelsX
    CityYPix = GlobalSet!CityPixelsY
    PortXGrid = GlobalSet![Port Width]
    PortYGrid = GlobalSet![Port Height]
    'MsgBox "XP: " & PortXPix & "YP: " & PortYPix & "XG: " & PortXGrid & "YG: " & PortYGrid

    Set CitySet = DB.CreateDynaset("CitySet")
    Panel3D7.Caption = "None"
    Panel3D9.Caption = "None"
    Panel3D11.Caption = "None"
    GetNumberOfCities
    GetCities
```

```
PixelsWide = Form1.picMain.Width + 10
PixelsHigh = Form1.picMain.Height + 15
ZoomLevel = "Country"
End Sub

Sub HelpShowNames_Click ()
Select Case ZoomLevel
Case "Country"
    If CityNamesOn Then
        HideNames (NumberOfCities)
        CityNamesOn = False
    Else
        ShowNames (NumberOfCities)
        CityNamesOn = True
    End If
Case "City"
    If AreaNamesOn Then
        HideNames (NumberOfAreas)
        AreaNamesOn = False
    Else
        ShowNames (NumberOfAreas)
        AreaNamesOn = True
    End If
Case "Location"
    If ItemNamesOn Then
        HideNames (NumberOfItems)
        ItemNamesOn = False
    Else
        ShowNames (NumberOfItems)
        ItemNamesOn = True
    End If

End Select
End Sub

Sub HideNames (NumNames)

HelpShowNames.Checked = False
Select Case ZoomLevel
```

```
        Case "Country"
            For i = 1 To NumNames
                Unload LabelName(i)
            Next
        Case "City"
            For i = 1 To NumNames
                Unload LabelName(i)
            Next
        Case "Location"
            For i = 1 To NumNames
                Unload LabelNameb(i)
            Next
    End Select
End Sub

Sub MoveToAreaMap (Index As Integer)
    If CityNamesOn = True Then
        HideNames (NumberOfCities)
    End If
    picCityPick(Index).BackColor = &H0&
    picUSA.Picture = picMain.Picture
    CityBmpName = GetCityBmpName(Index)

    'use the next line for delivery only
    'picMain.Picture = LoadPicture(CityBmpName)

    'use the next line during development only
    picMain.Picture = LoadPicture("t:\client\civix\proto\current\" & CityBmpName)

    HideCities
    CurrentCityKey = Cities(Index).Key
    CurrentCityIndex = Index
    Panel3D7.Caption = Cities(Index).Name
    Panel3D9.Caption = "None"
    Panel3D11.Caption = "None"
    lblUSMapCaption.Visible = True
    ShowAreas
    cmdZoom.Caption = "U.S. Map"
    lblPopCityArea.Visible = False
```

```
        lblPopItem.Visible = False
        ZoomLevel = "City"
        If AreaNamesOn = True Then
            HideNames (NumberOfAreas)
            ShowNames (NumberOfAreas)
        End If

End Sub

Sub MoveToLocationMap (Index As Integer)
    If AreaNamesOn = True Then
        HideNames (NumberOfAreas)
    End If
    lblPopCityArea.Visible = False
    lblPopItem.Visible = False
    picCityPick(Index).BackColor = &H0&
    Form1.MousePointer = 1
    CityPicture.Picture = picMain.Picture

    AreaBmpName = GetAreaBmpName(Index)

    'use the next line for delivery only
    'picMain.Picture = LoadPicture(AreaBmpName)

    'use the next line during development only
    picPort.Picture =
        LoadPicture("t:\client\civix\proto\current\" &
        AreaBmpName)

    CurrentLocation = Index
    HideAreas
    lblUSMapCaption.Visible = False
    p3DItemInfo.Visible = True
    p3DStreetAddLbl.Visible = True
    p3DPhoneLbl.Visible = True
    p3DFaxLbl.Visible = True
    'p3DDescLbl.Visible = True
    picSponsorAd.Visible = True

    p3DStreetAdd.Visible = True
```

```
p3DPhone.Visible = True
p3DFaxNumber.Visible = True
'p3DDescription.Visible = True

p3DStreetAdd.Caption = ""
p3DPhone.Caption = ""
p3DFaxNumber.Caption = ""
p3DDescription.Caption = ""
p3DItemInfo.Caption = "Item Data"

Panel3D2.Visible = True
Panel3D3.Visible = True
Panel3D5.Visible = True
cmdUpdate.Visible = True
picPort.Height = PortYPix
picPort.Width = PortXPix
picPort.Visible = True
picMain.Visible = False
cmbCategories.Visible = True
cmbCategories.Clear
cmbHeadings.Visible = True
cmbHeadings.Clear
GetHeadings
If NumberOfHeadings > 0 Then
    HeadingsSet.MoveFirst
    For i = 1 To NumberOfHeadings - 1
        cmbHeadings.AddItem HeadingsSet!Heading
            HeadingsSet.MoveNext

    Next
    cmbHeadings.AddItem HeadingsSet!Heading
    curHeadingStr = cmbHeadings.List(0)
    cmbHeadings.Text = cmbHeadings.List(0)
End If
GetHeadingIndex (curHeadingStr)
GetCategories (curHeadingIndex)
If NumberOfCategories > 0 Then
    CategorySet.MoveFirst
    For i = 1 To NumberOfCategories - 1
        cmbCategories.AddItem CategorySet!Category
```

```
        CategorySet.MoveNext
    Next
        cmbCategories.AddItem CategorySet!Category
        cmbCategories.Text = cmbCategories.List(0)
        CategorySet.MoveFirst
        curCategoryStr = cmbCategories.Text
        GetCategoryIndex (curCategoryStr)
        ShowItems (curCategoryIndex)
    End If
    Panel3D7.Caption = Cities(CurrentCityIndex).Name
    Panel3D9.Caption = Areas(CurrentLocation).Name
    Panel3D11.Caption = curCategoryStr
    cmdZoom.Caption = Cities(CurrentCityIndex).Name & " Map"
    ZoomLevel = "Location"
    If ItemNamesOn = True Then
        ShowNames (NumberOfItems)
    End If

End Sub

Sub picAreaPick_Click (Index As Integer)
    MoveToLocationMap (Index)
End Sub

Sub picAreaPick_GotFocus (Index As Integer)
    picAreaPick(Index).BackColor = &H0&
    If Not AreaNamesOn Then
        lblPopCityArea.Caption = Areas(Index).Name

        topl = picAreaPick(Index).Top
        leftl = picAreaPick(Index).Left + 10
        If (leftl + lblPopCityArea.Width) > picMain.Width Then
            leftl = picMain.Width - lblPopCityArea.Width
            topl = topl - 20
        End If
        If topl < 0 Then
            topl = topl + 10
        End If
        lblPopCityArea.Top = topl
```

```
            top1 = top1 - 30
        End If
        If top1 < 0 Then
            top1 = top1 + 10
        End If
        lblPopCityArea.Top = top1
        lblPopCityArea.Left = left1
        lblPopCityArea.Visible = True
    End If

End Sub

Sub picCityPick_KeyPress (Index As Integer, KeyAscii As Integer)
    If KeyAscii = 13 Or KeyAscii = 43 Then
        MoveToAreaMap (Index)
    End If

End Sub

Sub picCityPick_LostFocus (Index As Integer)
    picCityPick(Index).BackColor = &HFFFFFF
End Sub

Sub picCityPick_MouseMove (Index As Integer, Button As Integer,
                           Shift As Integer, X As Single, Y As
                           Single)

    Form1.MousePointer = 10
    picCityPick(Index).SetFocus

End Sub

Sub picItemPick_GotFocus (Index As Integer)

    picItemPick(Index).BackColor = &H0&
    If Not ItemNamesOn Then
        lblPopItem.Caption = Items(Index).Name

        top1 = picItemPick(Index).Top
```

```
        left1 = picItemPick(Index).Left + 10
    If (left1 + lblPopItem.Width) > picPort.Width Then
        left1 = picPort.Width - lblPopItem.Width
        topl = topl - 10
    End If
    If topl < 0 Then
        topl = topl + 10
    End If
    lblPopItem.Top = topl
    lblPopItem.Left = left1
    lblPopItem.Visible = True
    p3DStreetAdd.Caption = Items(Index).StreetAdd
    p3DPhone.Caption = Items(Index).Phone
    p3DFaxNumber.Caption = Items(Index).Fax
    p3DDescription.Caption = Items(Index).Description
    p3DItemInfo.Caption = "Item Data for " &
                Items(Index).Name

    End If

End Sub

Sub picItemPick_LostFocus (Index As Integer)
    picItemPick(Index).BackColor = &HFFFFFF

End Sub

Sub picItemPick_MouseMove (Index As Integer, Button As Integer,
                Shift As Integer, X As Single, Y As
                Single)

    Form1.MousePointer = 10
    picItemPick(Index).SetFocus

End Sub

Sub picMain_Click ()
    Beep
End Sub
```

A-11

```
Sub picMain_MouseMove (Button As Integer, Shift As Integer, X As
                       Single, Y As Single)

    Form1.MousePointer = 1

End Sub

Sub picPort_Click ()
    Beep
End Sub

Sub picPort_MouseMove (Button As Integer, Shift As Integer, X As
                       Single, Y As Single)

    Form1.MousePointer = 1

End Sub

Sub ShowNames (NumNames)

    lblPopCityArea.Visible = False
    lblPopItem.Visible = False
    HelpShowNames.Checked = True

    Select Case ZoomLevel
    Case "Country"
        For i = 1 To NumNames
            Load LabelName(i)
            LabelName(i).Caption = Cities(i).Name
            top1 = picCityPick(i).Top
            left1 = picCityPick(i).Left + 10
            If top1 < 0 Then
                top1 = top1 + 4
            End If
            LabelName(i).Top = top1
            LabelName(i).Left = left1
            LabelName(i).Visible = True
        Next
    Case "City"
        For i = 1 To NumNames
            Load LabelName(i)
            LabelName(i).Caption = Areas(i).Name
```

```
            top1 = picAreaPick(i).Top
            left1 = picAreaPick(i).Left + 10
            If top1 < 0 Then
                top1 = top1 + 4
            End If
            LabelName(i).Top = top1
            LabelName(i).Left = left1
            LabelName(i).Visible = True
        Next
    Case "Location"
        For i = 1 To NumNames
            Load LabelNameb(i)
            LabelNameb(i).Caption = Items(i).Name
            top1 = picItemPick(i).Top
            left1 = picItemPick(i).Left + 10
            If top1 < 0 Then
                top1 = top1 + 4
            End If
            LabelNameb(i).Top = top1
            LabelNameb(i).Left = left1
            LabelNameb(i).Visible = True
        Next
    End Select
End Sub


Sub cmdAboutOK_Click ()
    frmAbout.Hide
End Sub


'   Copyright 1994 The OXKO Corporation
'
'   This software developed by The OXKO
```

A-13

```
'   Corporation for CIVIX.   The ownership

'   of the software shall tranfer to CIVIX

'   upon payment as arranged.

'

Global NumberOfCities As Long
Global NumberOfAreas As Long
Global NumberOfItems As Long
Global NumberOfCategories As Long
Global NumberOfHeadings As Long
Global ZoomLevel As String
Global CitySet As Dynaset
Global AreaSet As Dynaset
Global ItemSet As Dynaset
Global CategorySet As Dynaset
Global HeadingsSet As Dynaset
Global GlobalSet As Dynaset

Global CurrentCityIndex As Long
Global CurrentLocation As Long
Global CurrentCityKey As Long
Global curCategoryStr As String
Global curCategoryIndex As Integer
Global curHeadingStr As String
Global curHeadingIndex As Integer
Global Db As Database
Type CityRecord
    Name As String
    MapName As String
    Key As Long
    XCoord As Long
    YCoord As Long
    MaxXGrid As Long
    MaxYGrid As Long
End Type
Type AreaRecord
    Name As String
```

```
    MapName As String
    XCoord As Long
    YCoord As Long
End Type
Type ItemRecord
    Name As String
    StreetAdd As String
    Key As Long
    Category As String
    XCoord As Long
    YCoord As Long
    Directions As String
    Description As String
    Phone As String
    Fax As String
    OwnerManager As String
    Title As String
    OtherAddress As String
End Type
Global Cities() As CityRecord
Global Areas() As AreaRecord
Global Items() As ItemRecord
Global CityBmpName As String       ' bitmap for a city
Global AreaBmpName As String       ' bitmap for a intersectional point
Global CityNamesOn As Integer
Global AreaNamesOn As Integer
Global ItemNamesOn As Integer
Global PortXPix As Integer
Global PortYPix As Integer
Global CityXPix As Integer
Global CityYPix As Integer
Global PortXGrid As Integer
Global PortYGrid As Integer

Sub DeleteCategories ()
    CategorySet.Close
    Form1.cmbCategories.Clear
End Sub
```

```
Function GetAreaBmpName (Index As Integer)

    GetAreaBmpName = Areas(Index).MapName

End Function

Sub GetCategories (Key As Integer)

    Set CategorySet = Db.CreateDynaset("SELECT  DISTINCTROW
        Categories.Category, Categories.Index FROM Categories
        WHERE (Categories.Heading = " & Key & ") WITH
        OWNERACCESS OPTION; ")

    If Not CategorySet.EOF Then
        CategorySet.MoveLast
        NumberOfCategories = CategorySet.RecordCount
        CategorySet.MoveFirst
        'MsgBox "Cats : " & NumberOfCategories
    Else
        MsgBox "No Items for this Heading!"
    End If

End Sub

Sub GetCategoryIndex (curCategoryStr As String)

    CategorySet.MoveFirst
    While Not CategorySet.EOF
        If CategorySet!Category = curCategoryStr Then
            curCategoryIndex = CategorySet!Index
        End If
        CategorySet.MoveNext

    Wend

End Sub

Sub GetCities ()
    Index = 1
    CitySet.MoveFirst
```

A-16

```
While Not CitySet.EOF
    Cities(Index).MapName = CitySet!FileName
    Cities(Index).Key = CitySet!CityKey
    Cities(Index).Name = CitySet!Name
    Cities(Index).XCoord = CitySet!XCoord
    Cities(Index).YCoord = CitySet!YCoord
    Cities(Index).MaxXGrid = CitySet!MaxXGrid
    Cities(Index).MaxYGrid = CitySet!MaxYGrid
    Load Form1.picCityPick(Index)
    Form1.picCityPick(Index).Top = Cities(Index).YCoord
    Form1.picCityPick(Index).Left = Cities(Index).XCoord
    Form1.picCityPick(Index).Visible = True
    CitySet.MoveNext
    Index = Index + 1
Wend

End Sub

Function GetCityBmpName (Index As Integer)

    GetCityBmpName = Cities(Index).MapName

End Function

Sub GetHeadingIndex (HeadingStr As String)

    HeadingsSet.MoveFirst
    While Not HeadingsSet.EOF
        If HeadingsSet!Heading = HeadingStr Then
            curHeadingIndex = HeadingsSet!Index
        End If
        HeadingsSet.MoveNext
    Wend

End Sub
```

```
Sub GetHeadings ()

    Set HeadingsSet = Db.CreateDynaset("SELECT  DISTINCTROW
        CatHeadings.Heading, CatHeadings.Index FROM CatHeadings
        WITH OWNERACCESS OPTION;")
    If Not HeadingsSet.EOF Then
        HeadingsSet.MoveLast
        NumberOfHeadings = HeadingsSet.RecordCount
        HeadingsSet.MoveFirst
        curHeadingsStr = HeadingsSet!Heading
    Else
        MsgBox "No Headings!"
    End If

End Sub

Sub GetNumberOfCities ()

    If Not CitySet.EOF Then
        CitySet.MoveLast
        NumberOfCities = CitySet.RecordCount
    Else
        MsgBox "No Cities, cannot continue"
        End
    End If
    ReDim Cities(NumberOfCities)

End Sub

Sub HideAreas ()

    If NumberOfAreas > 0 Then
        For i = 1 To NumberOfAreas
            Form1.picAreaPick(i).Visible = False
        Next
    End If
```

A-18

```
End Sub

Sub HideCities ()
    Form1.cmdZoom.Visible = True
    Form1.Panel3D1.Visible = True
    Form1.Panel3D4.Visible = False
    For i = 1 To NumberOfcities
        Form1.picCityPick(i).Visible = False
    Next
End Sub

Sub HideItems ()
    For i = 1 To NumberOfItems
        Unload Form1.picItemPick(i)
    Next
    ReDim Items(1)
    NumberOfItems = 0
End Sub

Sub ShowAreas ()
    If NumberOfAreas > 0 Then
        For i = 1 To NumberOfAreas
            Unload Form1.picAreaPick(i)
        Next
        ReDim Areas(1)
        NumberOfAreas = 0
    End If

    Set AreaSet = Db.CreateDynaset("SELECT Locations.City,
        Locations.Name, Maps.FileName, Locations.LocationKey,
        GridCoord.XCoord, GridCoord.YCoord FROM Locations,
        Maps, GridCoord, Locations LEFT JOIN Maps ON
        Locations.MapName = Maps.Name, Locations LEFT JOIN
        GridCoord ON Locations.GridLoc = GridCoord.GridKey
        where city = " & CurrentCityKey & " WITH OWNERACCESS
        OPTION;")
```

```
If Not AreaSet.EOF Then
    AreaSet.MoveLast
    NumberOfAreas = AreaSet.RecordCount
Else
    Exit Sub
End If

ReDim Areas(NumberOfAreas)

Index = 1
AreaSet.MoveFirst
While Not AreaSet.EOF
    Areas(Index).MapName = AreaSet!FileName
    Areas(Index).Name = AreaSet!Name
    Areas(Index).XCoord = AreaSet!XCoord
    Areas(Index).YCoord = AreaSet!YCoord
    Load Form1.picAreaPick(Index)

    'MsgBox "CityXPix:   " & CityXPix & "   CityYPix:   " &
          "CityYPix

    'MsgBox "CityMaxX:   " & Cities(CurrentCityIndex).MaxXGrid
          & "   CityYMax:   " &
          Cities(CurrentCityIndex).MaxYGrid

    'MsgBox "X:   " & Areas(Index).XCoord & "   Y:   " &
          Areas(Index).YCoord

    Form1.picAreaPick(Index).Left = CityXPix *
          (Areas(Index).XCoord /
          Cities(CurrentCityIndex).MaxXGrid)

    Form1.picAreaPick(Index).Top = CityYPix *
          (Areas(Index).YCoord /
          Cities(CurrentCityIndex).MaxYGrid)
```

```
        Form1.picAreaPick(Index).Visible = True
        AreaSet.MoveNext
        Index = Index + 1
    Wend

End Sub

Sub ShowCities ()

    Form1.cmdZoom.Visible = False
    Form1.Panel3D1.Visible = False
    Form1.Panel3D4.Visible = True
    For i = 1 To NumberOfCities
        Form1.picCityPick(i).Visible = True
        Form1.picCityPick(i).BackColor = &HFFFFFF

    Next

End Sub

Sub ShowItems (Key As Integer)
    MaxX = Areas(CurrentLocation).XCoord + Int(.5 * PortXGrid)-1
    MinX = Areas(CurrentLocation).XCoord - Int(.5 * PortXGrid)
    MaxY = Areas(CurrentLocation).YCoord + Int(.5 * PortYGrid)-1
    MinY = Areas(CurrentLocation).YCoord - Int(.5 * PortYGrid)

    Set ItemSet = Db.CreateDynaset("SELECT  DISTINCTROW
        Items.Name, Items.Description, Items.Directions,
        Items.ItemKey, GridCoord.XCoord, GridCoord.YCoord,
        Items.StreetAdd, Items.Phone, Items.Fax,
        Items.OwnerManager, Items.Title, Items.OtherAddress,
        Categories.Index FROM Items, Categories, Cities,
        GridCoord, CatsForItems, Cities LEFT JOIN Items ON
        Cities.CityKey = Items.CityKey, Items LEFT JOIN
        GridCoord ON Items.GridLoc = GridCoord.GridKey, Items
        LEFT JOIN CatsForItems ON Items.ItemKey =
        CatsForItems.ItemRef, CatsForItems LEFT JOIN Categories
        ON CatsForItems.CatRef = Categories.Index WHERE
```

A-21

```
    ((Cities.CityKey = " & CurrentCityKey & ") And
    (Categories.Index = " & Key & ") And (GridCoord.XCoord
    <= " & MaxX & ") And (GridCoord.XCoord >= " & Minx & ")
    And (GridCoord.YCoord <= " & MaxY & ") And
    (GridCoord.YCoord >= " & MinY & ")) WITH OWNERACCESS
    OPTION;")

If Not ItemSet.EOF Then
    ItemSet.MoveLast
    NumberOfItems = ItemSet.RecordCount
    'MsgBox " Items: " & NumberOfItems
Else
    'MsgBox "No Items for this Category!"
    Exit Sub
End If

ReDim Items(NumberOfItems)

Index = 1
ItemSet.MoveFirst
While Not ItemSet.EOF
    Items(Index).Key = ItemSet!ItemKey
    Items(Index).Name = ItemSet!Name
    Items(Index).Description = ItemSet!Description
    Items(Index).Directions = ItemSet!Directions
    Items(Index).XCoord = ItemSet!XCoord
    Items(Index).YCoord = ItemSet!YCoord
    Items(Index).StreetAdd = ItemSet!StreetAdd
    Items(Index).Phone = ItemSet!Phone
    Items(Index).Fax = ItemSet!Fax
    Items(Index).OwnerManager = ItemSet!OwnerManager
    Items(Index).Title = ItemSet!Title
    Items(Index).OtherAddress = ItemSet!OtherAddress
    Load Form1.picItemPick(Index)

    Form1.picItemPick(Index).Top = Int((((Items(Index).YCoord
        - Areas(CurrentLocation).YCoord) / PortYGrid) +
        .5) * (PortYPix))
```

A-22

```
            Form1.picItemPick(Index).Left =
                Int((((Items(Index).XCoord -
                Areas(CurrentLocation).XCoord) / PortXGrid) + .5)
                * (PortXPix))

            'MsgBox " Top : " & Form1.picItemPick(Index).Top & "
                Left: " & Form1.picItemPick(Index).Left

            Form1.picItemPick(Index).Visible = True
            ItemSet.MoveNext
            Index = Index + 1

        Wend

    End Sub


    Sub Timer1_Timer ()
        Form1.Show 0
        Splash.Hide
        Timer1.Enabled = False
        Unload Splash

    End Sub
```